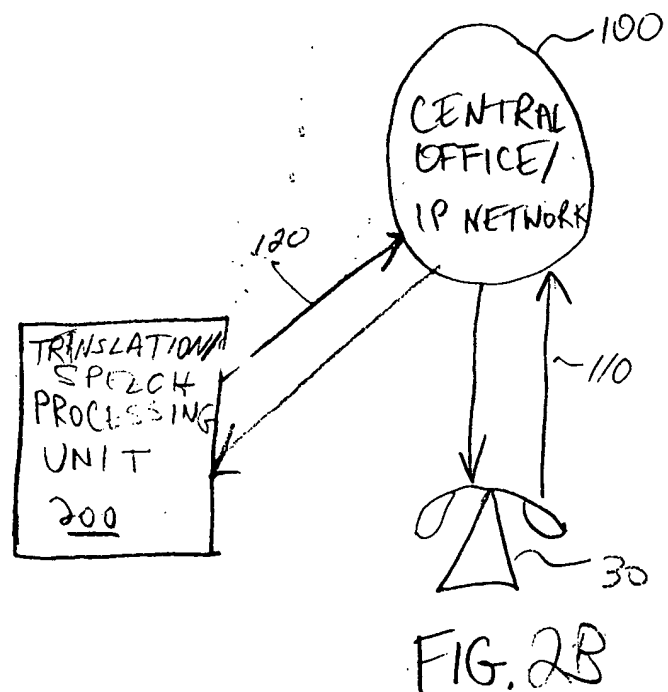
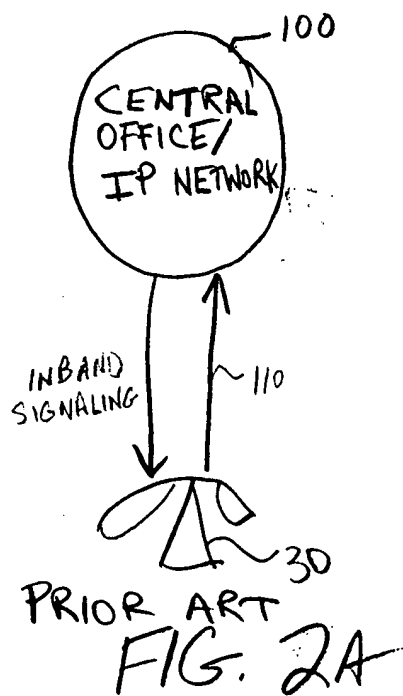


FIG. 1



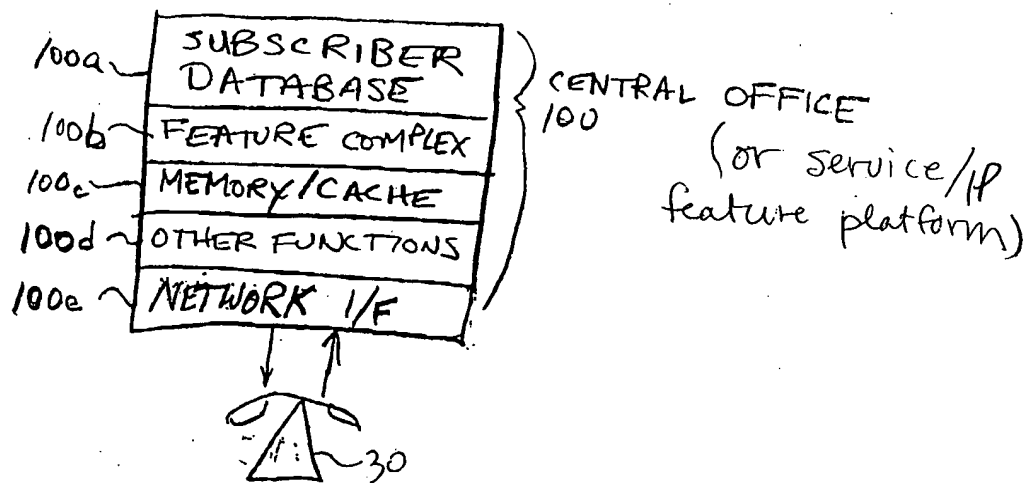
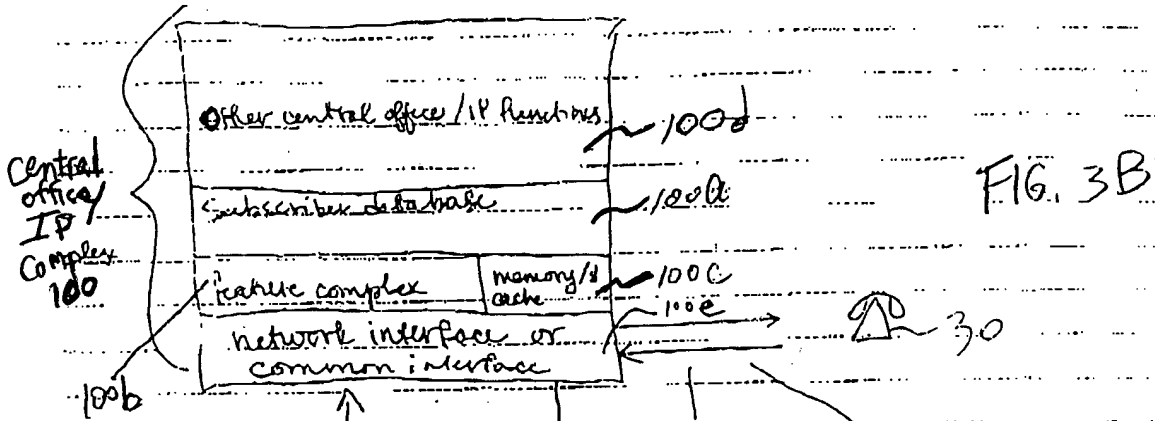
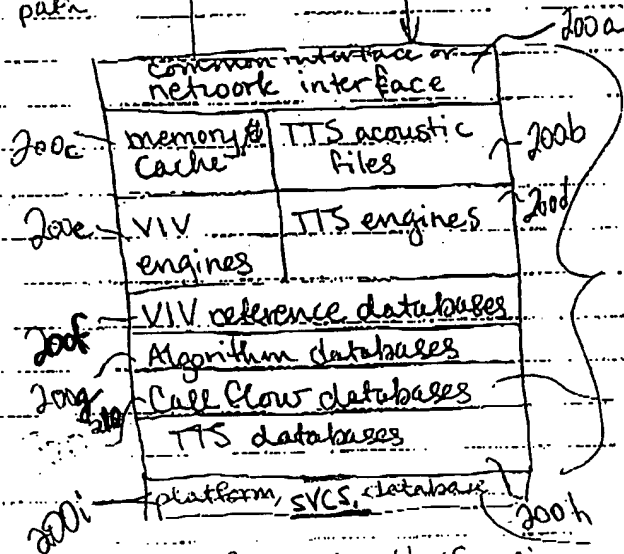


FIG. 3A

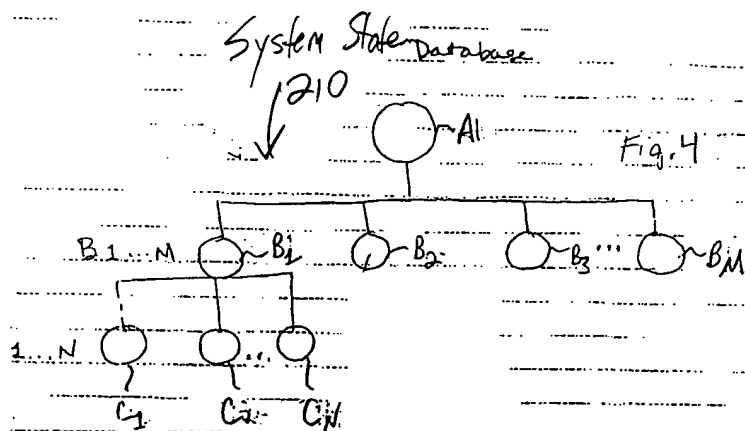


- Signaling path
- in-band path



translation platform /
Speech processing unit
200

VIV = Verbal Information Verification
TTS = Text to Speech



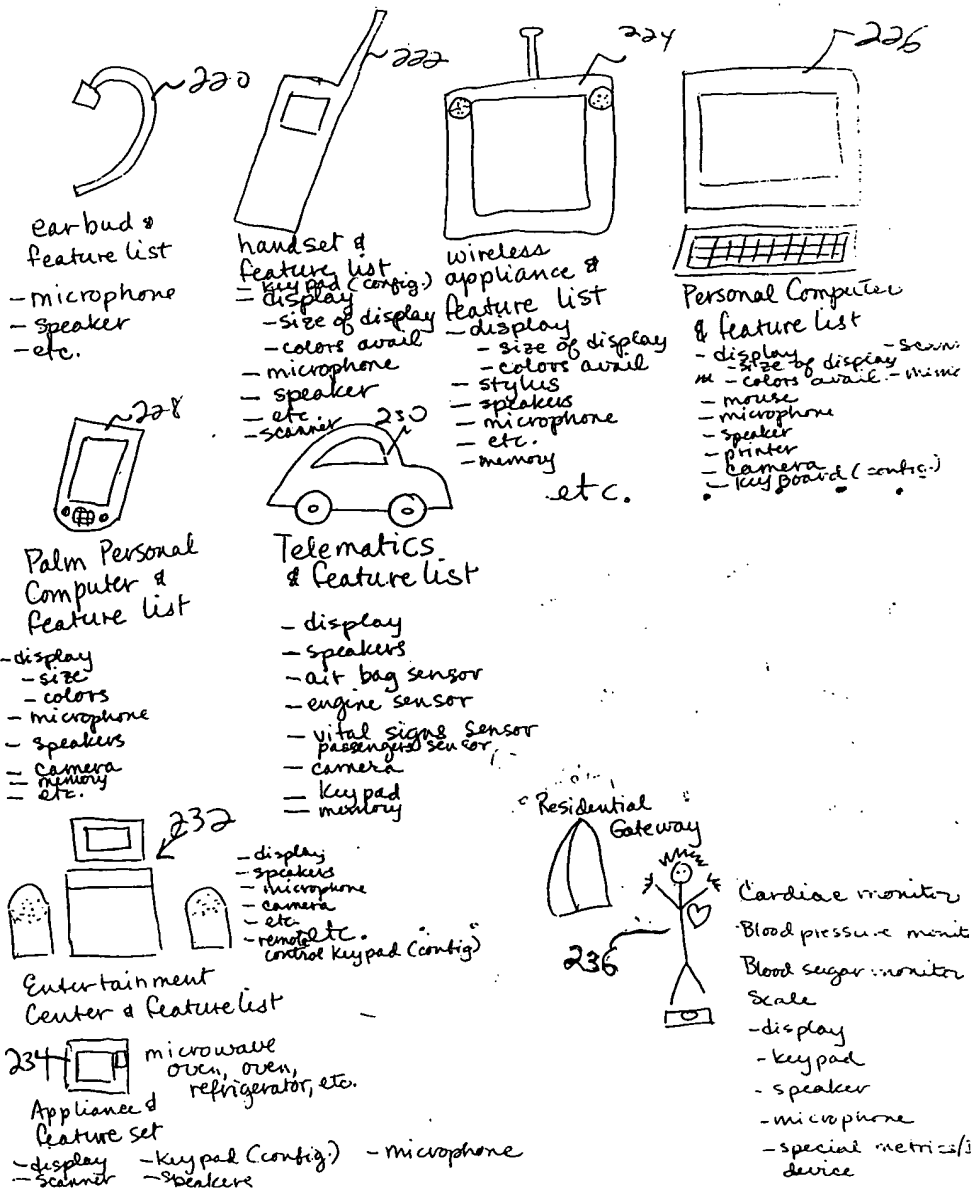


FIG. 5A

Database Lookup for target device/s

240

Profiles		Format for	speaker	microp.	display	size	color	keypad	size	conty.	et
		features -translation									
earbud	Form 1	✓	✓								
	Form 1	✓	✓								
handset	Form 10	✓	✓		✓	16 x 6				Type 1	
	Form 12	✓	✓		✓	16 x 2				Type N	
handset n	Form 100	✓	✓		✓	40 x 60				Type 1	
	Form 100	✓	✓		✓					Type 1	
appliance	Form 100	✓	✓								
appliance N	Form 100	✓	✓								
computer											
computer N											

FIG. 5B

FIG. 5C

earbud message - speech (synthesized or recorded)
"Menu - Hold, conference, ~~or~~ play message, or voice mail."

handset message - text, display, video, etc.

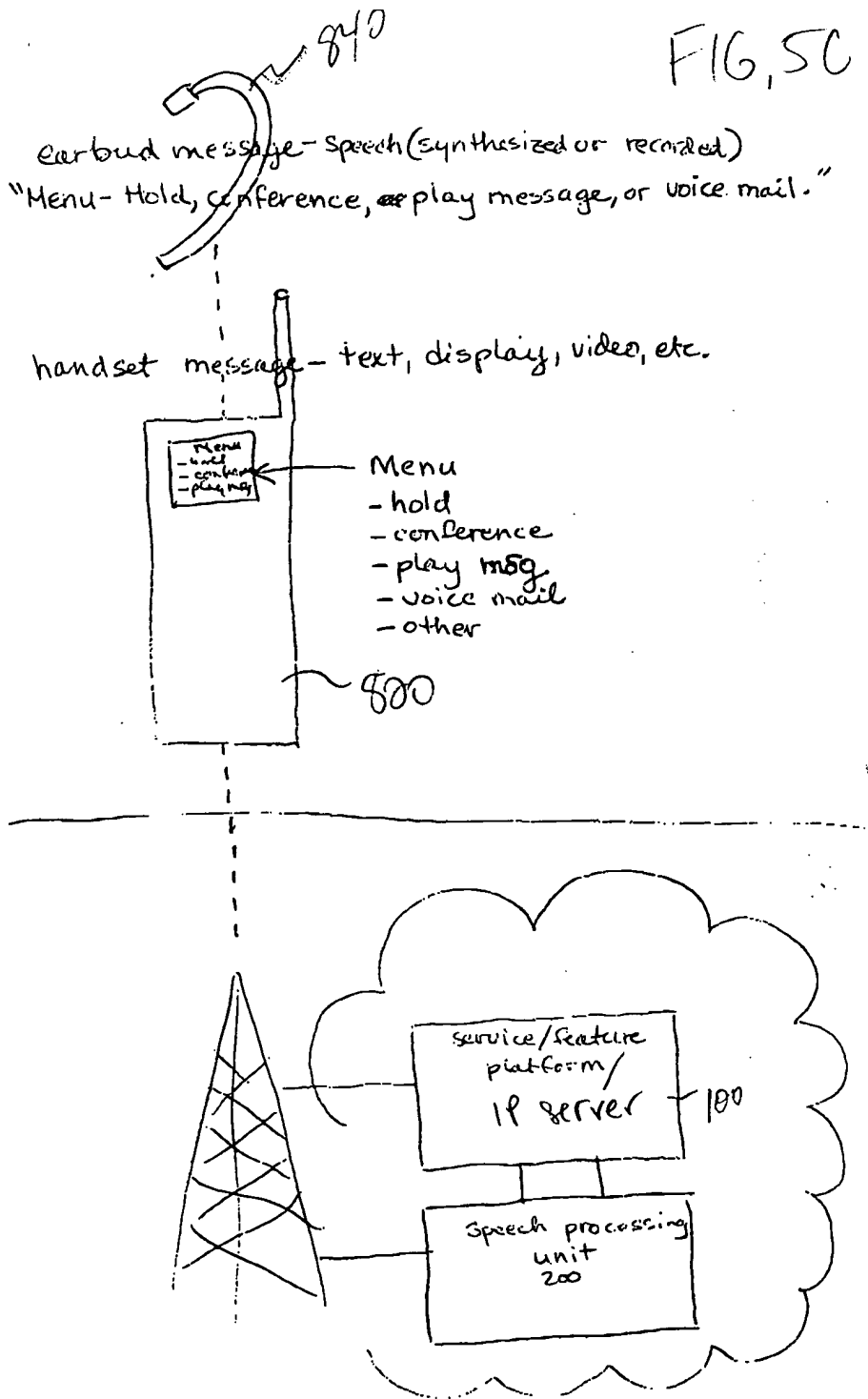


Fig 6A

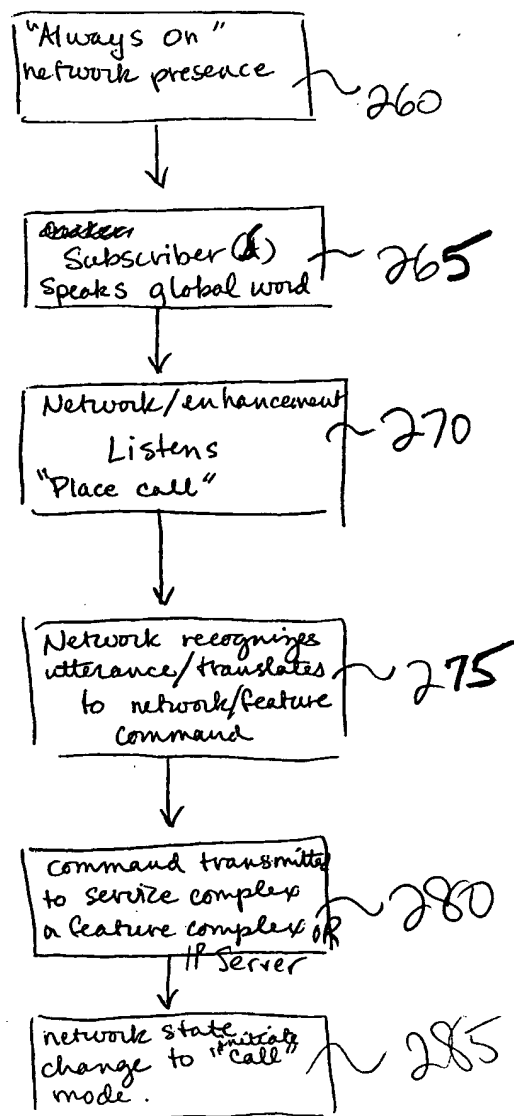


FIG. 6A

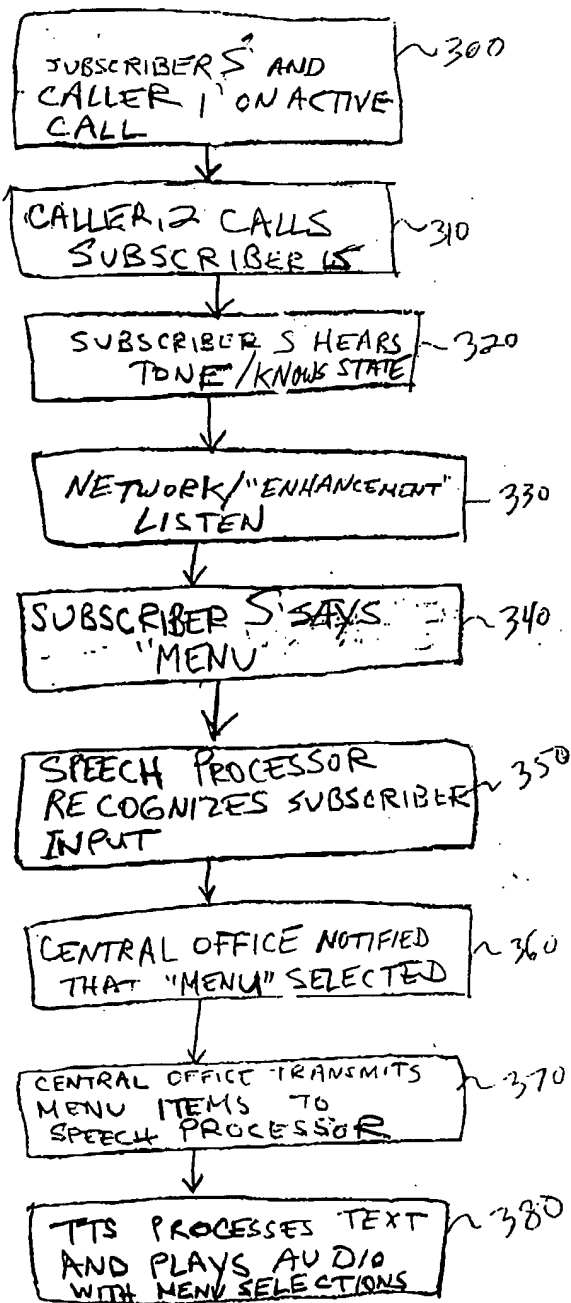


Fig. 5B

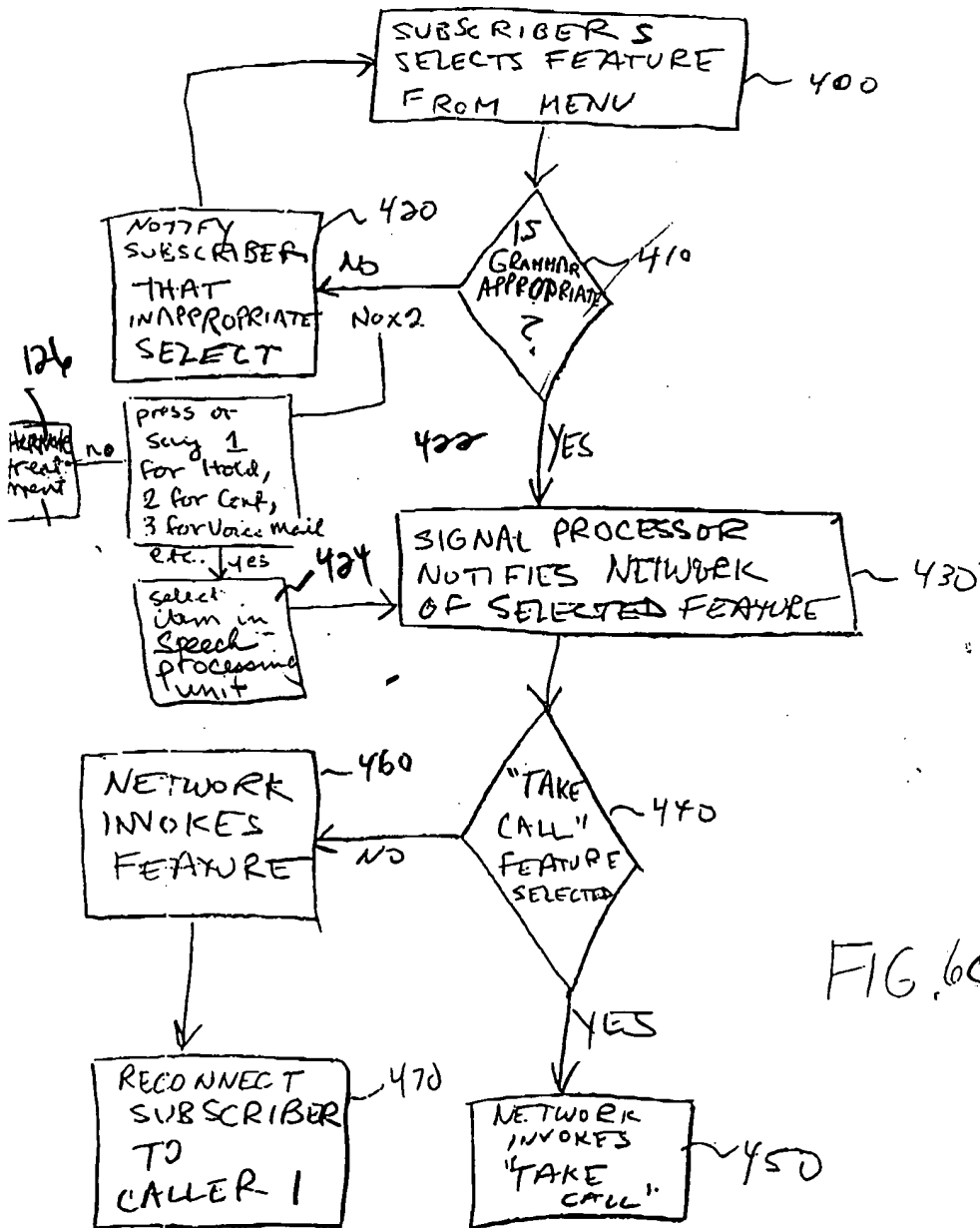
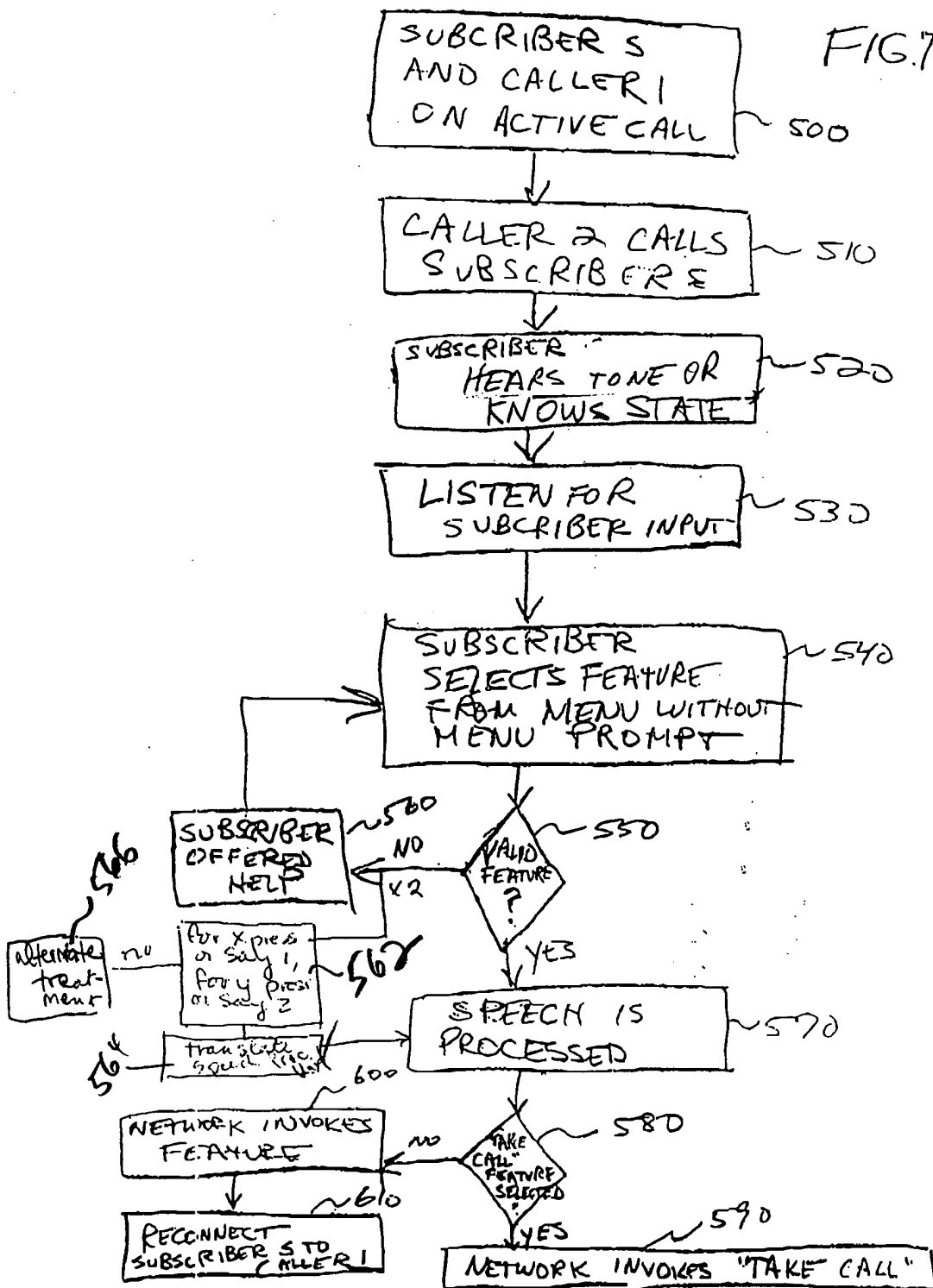


FIG. 6C



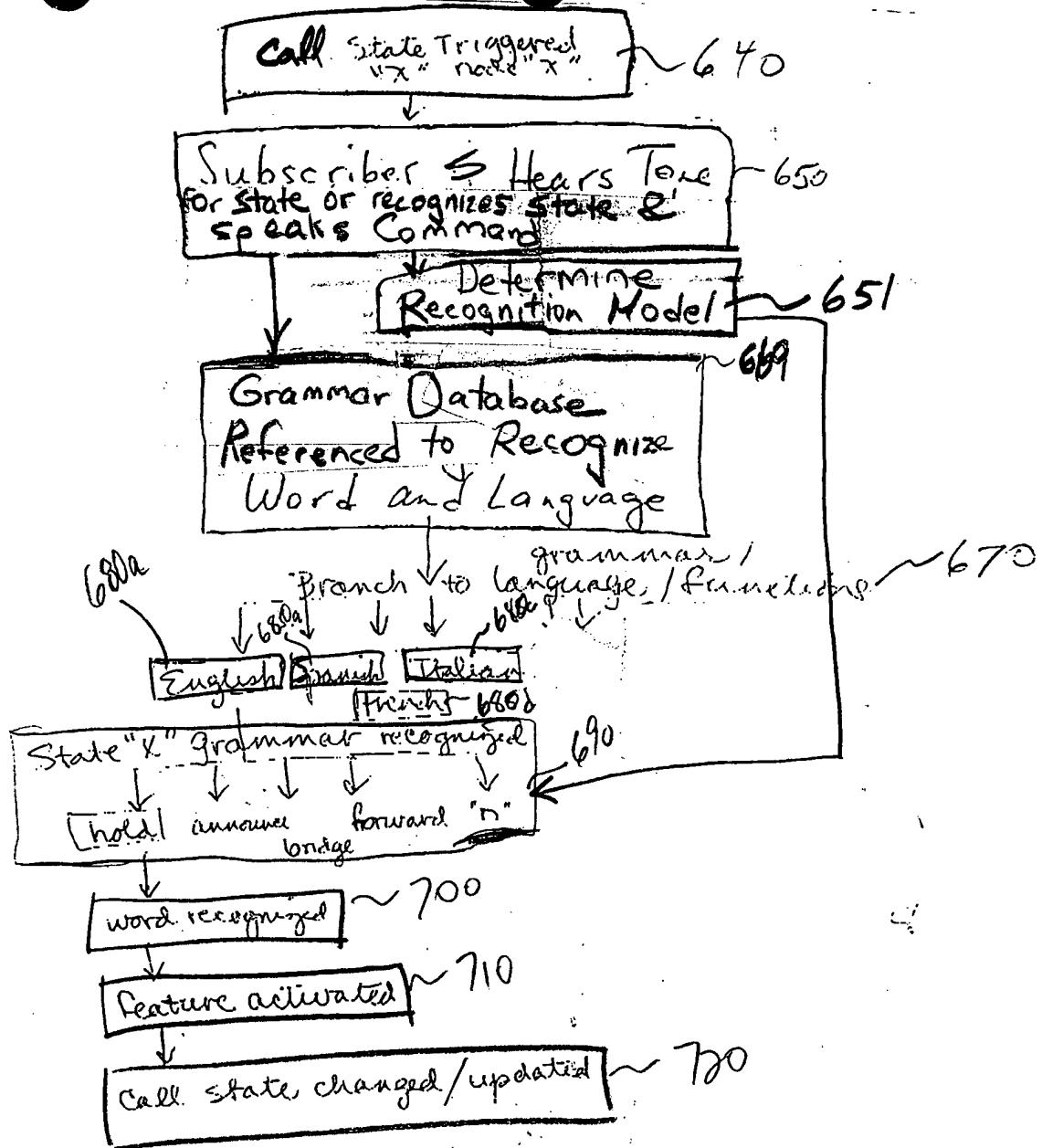
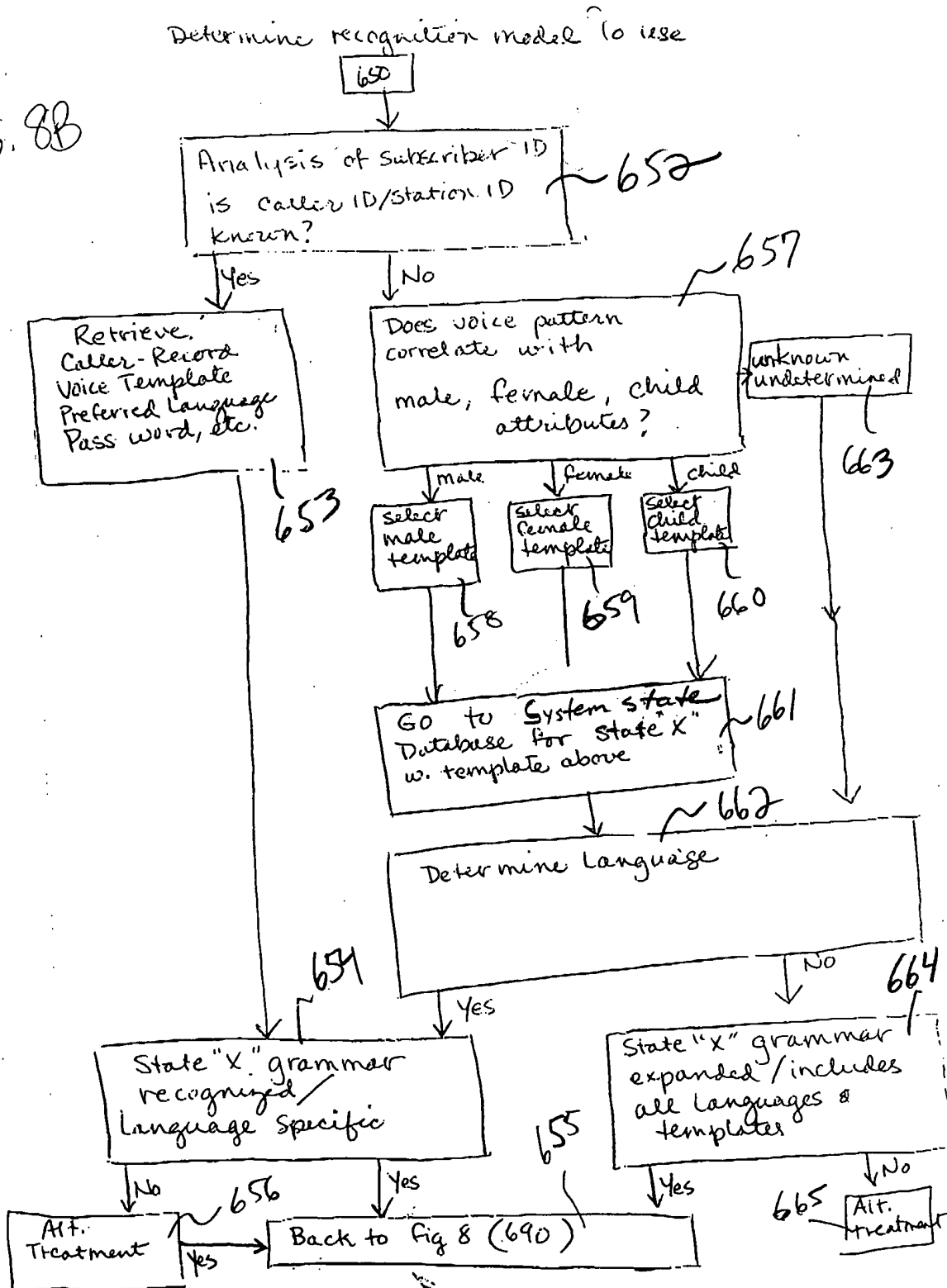


FIG. 8A

FIG. 8B



Caller-Record Database

666

Caller ID/ Station ID	Cust ID	Voice Template	Password/ Key	Pref. Language	Subscription Information
732 555 1111	0231	File 0231	turtle	English	remote access
732 555 2222	0232	File 0232	martian	English	local/ Regional Remote access
732 555 3333	0233	File 0233	orange	English	

FIG. 8C

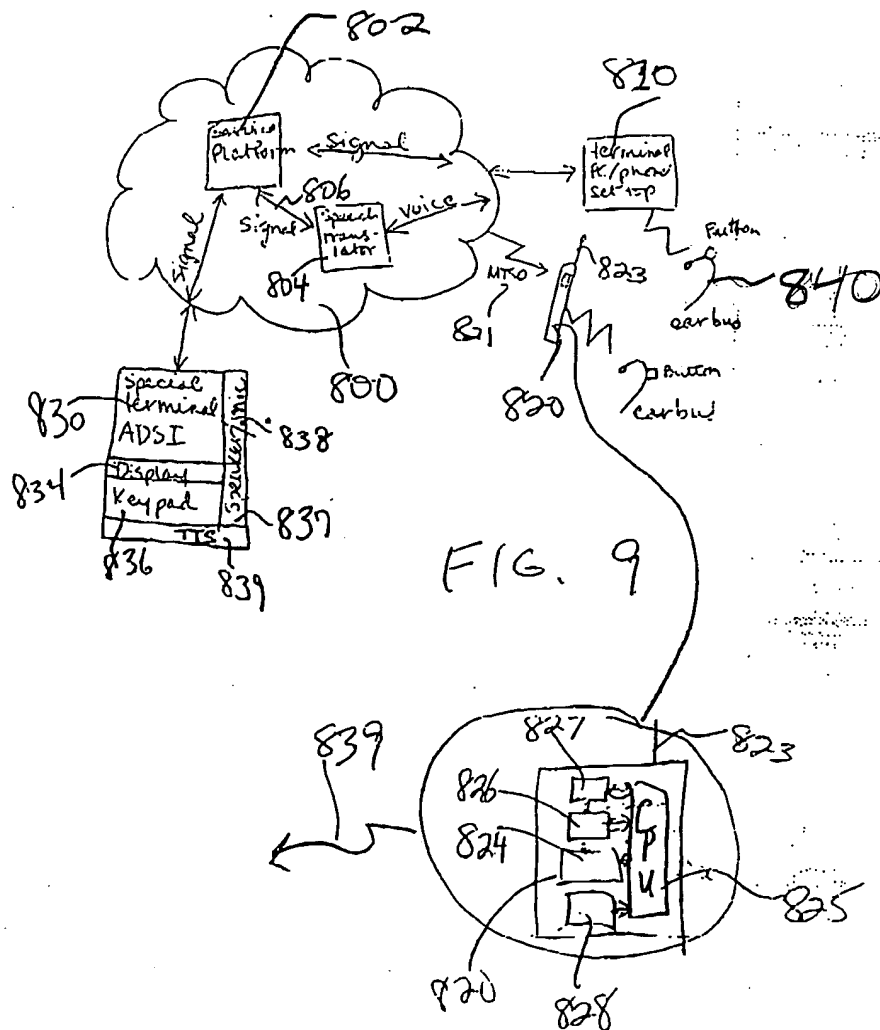


FIG. 10A

Speaker
842

antennae
846

microphone

841

840

834

FIG. 10B

mic

841

857

849

850

842

847

Blue tooth
RF in

843

Button
Signal

852

844

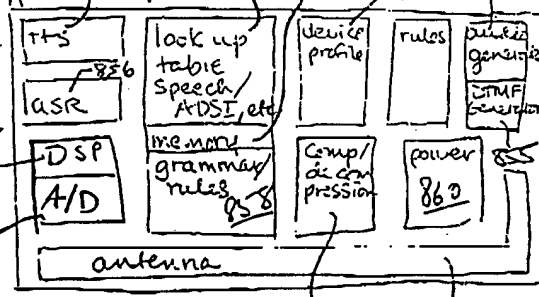


FIG. 11A

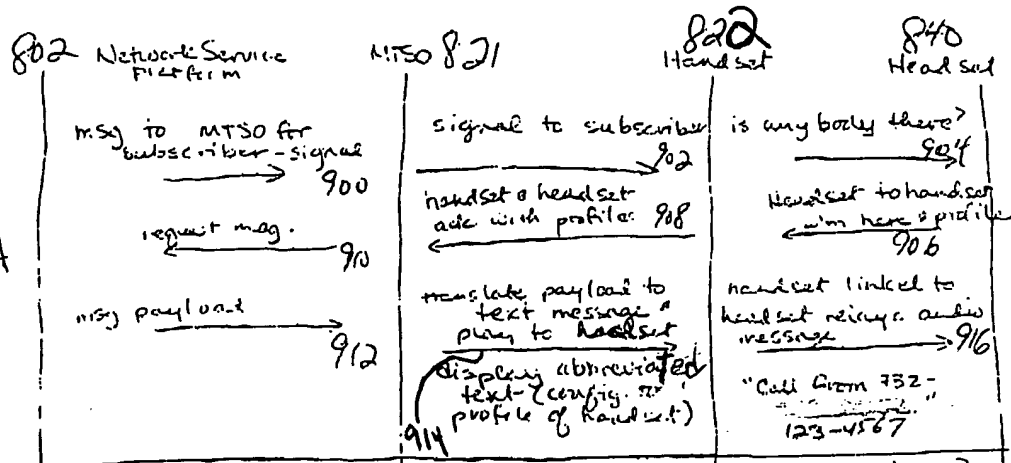


FIG. 11B

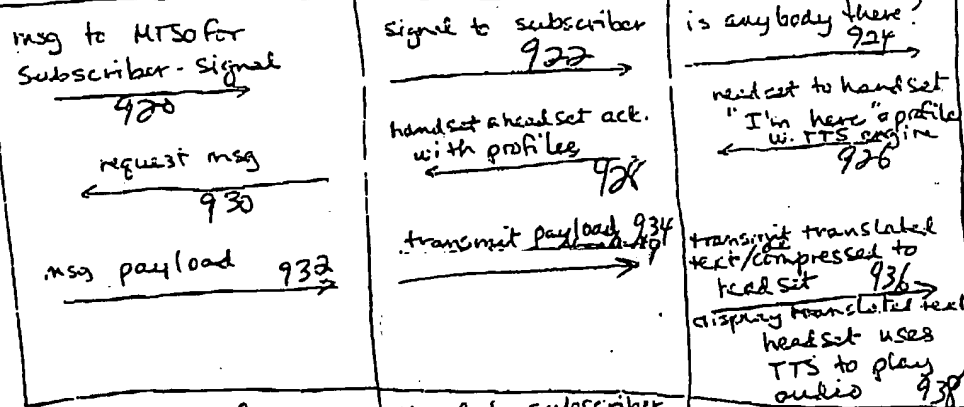


FIG. 11C

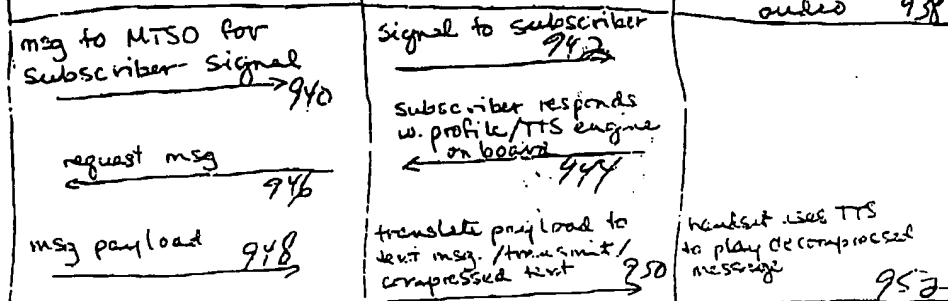
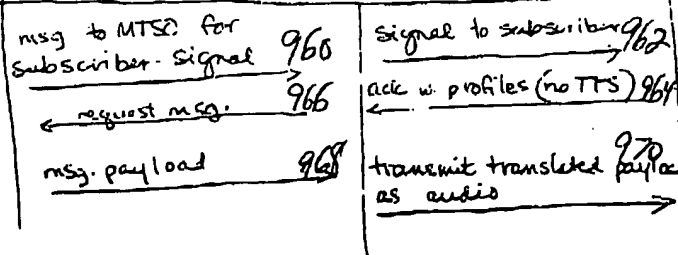


FIG. 11D



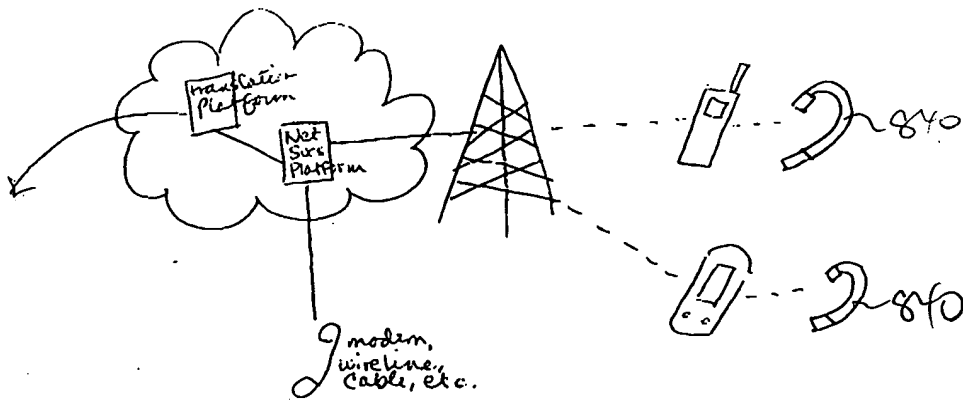


FIG. 12

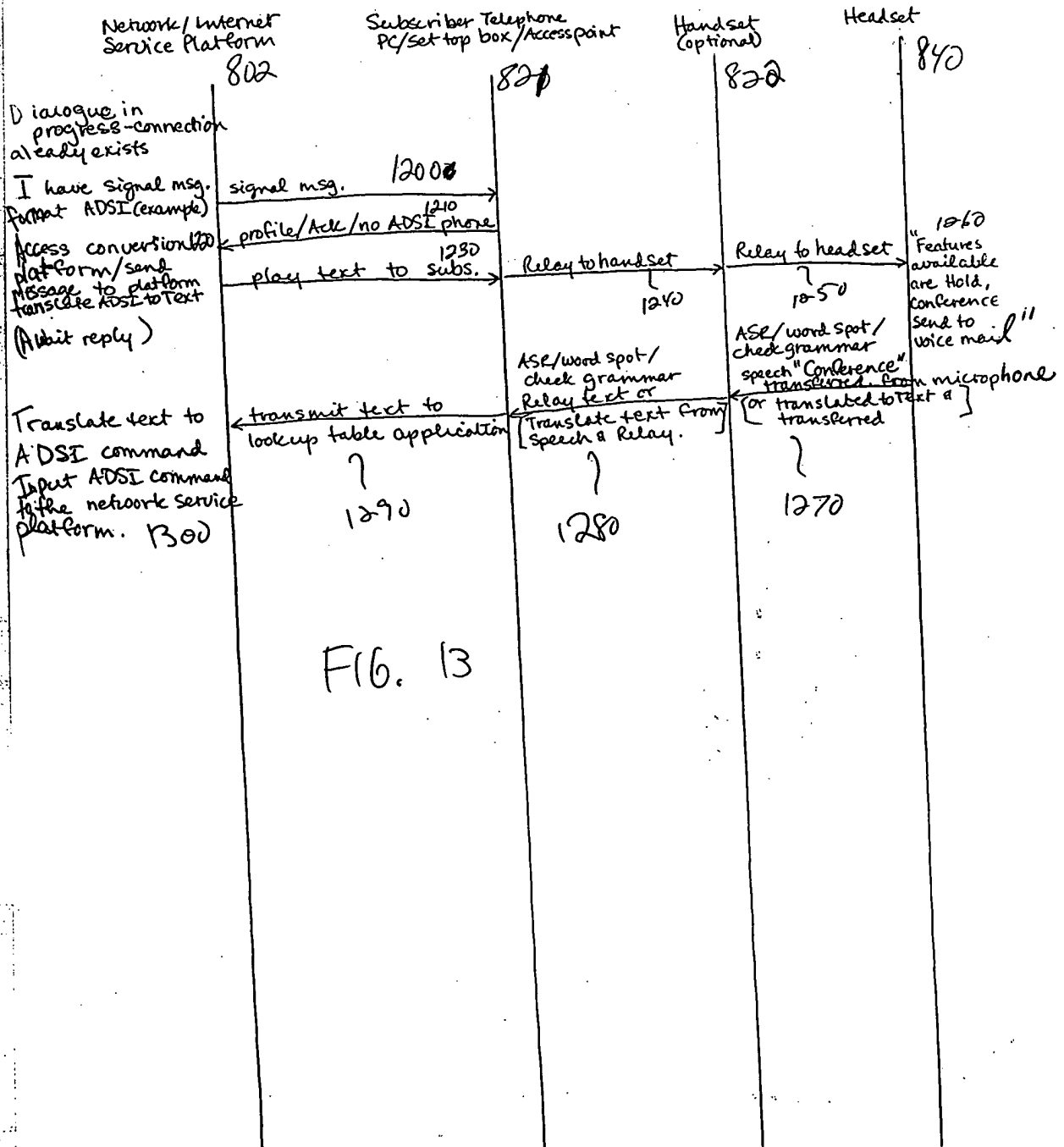


FIG. 13

Ne

FIG. 14

